

ESH100 Final Exam (Version A)

Directions: Use the **Answer Sheet** at the end of this exam to record your answers.

1. You have the right, authority, and obligation to:

- a) do all of these.
- b) refrain from participating in operations that are unsafe.
- c) question, suspend, and report operations observed to be unhealthy or unsafe.
- d) question, suspend, and report operations observed to be noncompliant or damaging to the environment.

2. You are responsible for:

- a) knowing and understanding the scope of the work you perform.
- b) knowing and understanding how your activities/tasks may affect the work and safety of others.
- c) knowing and understanding how your activities/tasks may affect the safety of the environment.
- d) doing all of these.

3. You are responsible for:

- a) refraining from entering areas where ES&H hazards exist unless under suitable escort (if allowed) or trained and qualified to enter.
- b) obeying all signs and barriers.
- c) promptly reporting ALL accidents and injuries.
- d) doing all of these.

4. Working without fulfilling your ES&H responsibilities can result in disciplinary action up to termination of employment.

- a) True
- b) False

5. At Sandia, all job-related injuries, illnesses, and environmental incidents are considered:

- a) tolerable and exceptional.
- b) unlikely and acceptable.
- c) preventable and unacceptable.
- d) likely and inadmissible.

6. Sandia's objective is to provide a safe workplace so that every Member of the Workforce can expect to go home from work injury-free every day.

- a) True
- b) False

- 7. The five steps (or “management functions”) of the Integrated Safety Management System (ISMS) help to incorporate ES&H into all of our activities/tasks from planning through performance and improvement.**
- a) True
 - b) False
- 8. Following “Plan the work,” the next step of the ISMS Model is:**
- a) control the hazards.
 - b) feedback and improve.
 - c) analyze the hazards.
 - d) perform the work.
- 9. Always clearly define and thoroughly plan the work you want to perform:**
- a) after the work activity/task has been completed, and only if a change is needed.
 - b) after the work activity/task has begun and the scope has become more clear.
 - c) before initiating your work activity/task.
 - d) only if there is a change in materials and/or equipment to be used.
- 10. Initial work planning decisions should include (as appropriate):**
- a) all of these.
 - b) the work location.
 - c) the work to be accomplished and expected outcome.
 - d) the materials, tools, and equipment to be used.
- 11. Who should you get involved EARLY in your work planning?**
- a) Your Human Resources Representative
 - b) Your ES&H Team and ES&H Coordinator
 - c) Your Evacuation Team
 - d) All of these
- 12. Analyzing hazards for a given activity/task or operation must consider all ES&H hazards associated with the activity/task, operation, or facility (including all related tools, equipment, materials, etc.).**
- a) True
 - b) False
- 13. During hazard analysis, it is important to remember that:**
- a) time is of the essence, so the quicker the analysis is done, the better.
 - b) only the major, most significant hazards matter.
 - c) significant injuries may occur from seemingly minor hazards.
 - d) none of these are true.

14. Knowing and understanding the hazards that you may work with, or which you may be exposed to, is:

- a) the responsibility of your ES&H Coordinator only.
- b) essential to managing your work safely.
- c) an important aspect of behavior-based safety training.
- d) all of these are true.

15. The most common causes of injuries at Sandia are slips, trips, falls, small cuts, sprains, back injuries, and ergonomic-type issues.

- a) True
- b) False

16. Each hazard identified for your work activity/task must be controlled to minimize (if not eliminate) the hazards to which you will be exposed.

- a) True
- b) False

17. At Sandia, hazards are typically controlled using _____ and/or _____, as appropriate.

- a) behavior modification; job termination
- b) avoidance tactics; genetic engineering
- c) remote surveillance; pneumatic interlocks
- d) engineered controls; administrative controls

18. At Sandia, who is ULTIMATELY responsible for knowing the hazards involved in the work activities/tasks you perform and the spaces in which you work?

- a) Your Training Coordinator.
- b) You.
- c) Your ES&H Coordinator
- d) Your manager.

19. Before beginning work, it is important that you have:

- a) completed all required training.
- b) assembled all the necessary tools, equipment, etc., needed for the job.
- c) read and understood all documents and procedures that apply to your job.
- d) done all of these.

20. Once your work activity/task begins, it must be:

- a) completed on schedule regardless of the risks or cost.
- b) continued until completion regardless of problems, questions, or concerns.
- c) properly controlled, and performed safely, at all times.
- d) none of these are true.

21. If the scope or location of your work activity/task changes:

- a) the established work/safety controls for the activity/task may not be adequate.
- b) you must submit an updated Self-Assessment checklist to your supervisor.
- c) personnel work assignments must be updated in the appropriate logbook.
- d) none of these are true.

22. While performing work, you should always be prepared to respond to an emergency.

- a) True
- b) False

23. At the completion of your work activity/task, you should take time to review what you did and:

- a) start developing an appropriate cost-benefit analysis for the activity/task.
- b) consider what you might improve next time, and how.
- c) identify where the applicable Material Safety Data Sheet (MSDS) is.
- d) notify the Human Resources Coordinator for your next assignment.

24. If you notice a better (and maybe even safer) way to perform a work activity/task, you should inform your co-workers and supervisor so the appropriate process(es) and Technical Work Documents (TWDs) can be:

- a) abandoned and archived for historical purposes (as applicable).
- b) canceled until the applicable Material Safety Data Sheet (MSDS) can be implemented.
- c) reviewed, revised (if necessary), and approved for use in future work.
- d) none of these.

25. All of us are responsible for evaluating and improving the safety of our work and workplaces at Sandia.

- a) True
- b) False

26. If you are unsure about whether or not a situation is life threatening, treat it as:

- a) a new self-assessment opportunity.
- b) if it's not a concern until you know for sure.
- c) an ES&H Coordinator matter only.
- d) an emergency.

27. If you are the first person to come upon the scene of a MEDICAL emergency, your FIRST step should be to call 911 or the site emergency number.

- a) True
- b) False

28. If you encounter someone who has just received an electrical shock, you should IMMEDIATELY:

- a) consult your emergency/action response plan to identify the next step to take.
- b) accompany the shock victim back to their office, and have them schedule a Medical evaluation.
- c) drive the shock victim to their home, and have them schedule an appointment with their personal physician.
- d) treat it as a potential medical emergency and call 911 (or the site emergency number).

29. In the event of a NON-MEDICAL emergency, you should alert others of the danger and:

- a) shut down operations involving hazardous material or electrical equipment (only if it is feasible and safe to do so), and leave the building or danger area.
- b) resume your normal work activities once everyone else evacuates properly.
- c) inform the appropriate ES&H support team before returning to work.
- d) do none of these.

30. In the event of a NON-MEDICAL emergency, once you have evacuated, notify the Incident Commander, Security Police Officer, or any emergency response personnel if:

- a) you have information regarding the cause of the emergency.
- b) you are either carrying classified matter or left classified matter unattended.
- c) you were not able to terminate hazardous operations before evacuating.
- d) any of these are true.

31. In order to prevent a fire, be sure to:

- a) store flammables and combustibles appropriately.
- b) use good housekeeping practices.
- c) keep heat sources away from anything that might burn.
- d) do all of these.

32. To minimize the potential for injury or loss you should:

- a) do all of these.
- b) not store objects within 3 feet of electrical panels.
- c) ensure exit paths are unobstructed and exits are clearly marked.
- d) know the location and type of fire extinguishers in your work area and how to use them.

33. You should never fight a fire if:

- a) any of these are true.
- b) it involves hazardous material.
- c) it will jeopardize your personal safety.
- d) it has spread to surrounding furnishing or the building structure.

34. Even if you have completed Sandia's fire extinguisher training, do NOT attempt to fight a fire if it is unsafe to do so, or if it involves:

- a) explosives.
- b) radioactive materials & wastes.
- c) highly toxic materials and gases.
- d) any of these.

35. An important key to electrical safety is: NEVER work on energized equipment.

- a) True
- b) False

36. Only "high voltage" electricity can deliver harmful shocks.

- a) True
- b) False

37. At Sandia, extension cords are normally approved for:

- a) operations that have valid Hot Work Permits.
- b) any use and time duration.
- c) temporary use only.
- d) none of these.

38. Lockout/Tagout (LOTO) refers to specific practices and procedures to protect individuals from the unexpected energizing or start-up of equipment and machinery, or:

- a) to prevent the unauthorized removal of hazardous equipment from Sandia.
- b) to provide a form of physical access control to hazardous work areas.
- c) the release of hazardous energy during servicing or maintenance activities.
- d) all of these.

39. Your Lockout/Tagout (LOTO) responsibilities include:

- a) disposing of excess locks and tags in the designated LOTO depository.
- b) not tampering with, or removing a lock or tag unless you are authorized.
- c) always ensuring the affected individual's current photo is prominently displayed.
- d) doing all of these.

40. Sandia's standardized Lockout/Tagout materials consist of a:

- a) Master™ lock with a red plastic band.
- b) lock label.
- c) danger tag.
- d) all of these.

41. You've returned from lunch, planning to start the next step in your time-urgent work, and discover that the power supply is off. You find the building electrical panel is open and a red-banded Master™ lock with a danger tag is connected to the circuit breaker. You should:

- a) call Maintenance and request that they restore power right away.
- b) contact your ES&H Coordinator or ES&H Support Team for more information.
- c) contact the individual identified on the danger tag to find out when power will be restored.
- d) verify the proper lockout of the power supply by trying to re-energize the circuit.

42. The Environmental Management System (EMS) helps us to manage the environmental consequences of Sandia's activities, products, and services.

- a) True
- b) False

43. Your responsibilities for environmental management do NOT include:

- a) understanding which regulations and requirements apply to your work.
- b) reducing the use and waste of toxic materials, saving energy, and recycling or reusing materials.
- c) relocating prairie dogs living near main roads.
- d) properly handling hazardous materials.

44. All of us can actively practice pollution prevention, energy efficiency, and resource conservation in our jobs.

- a) True
- b) False

45. Your hazardous materials and waste responsibilities include:

- a) keeping materials in appropriate containers.
- b) ensuring containers are properly labeled.
- c) keeping a clean and orderly work site.
- d) doing all of these.

46. If a spill of hazardous material or waste is one you can NOT safely manage, warn others, evacuate the immediate area, and:

- a) go home as quickly as possible, using the safest route.
- b) inform the appropriate ES&H Coordinator of what happened as soon as possible.
- c) return to the location only if you have a time-urgent project to work on.
- d) treat it as an emergency and call 911 (or the site emergency number) from a safe location.

47. Sandia can not achieve mission success through operational excellence without your direct involvement and support.

- a) True
- b) False

ESH100 Final Exam (Version A)

Answer Sheet

Circle the correct answer for each of the 47 end-of-module questions in the ESH100 Final Exam (Version A), then forward your 2-page Answer Sheet to the ESH100 Course Manager (Maggie Smith, MS 0653 / fax 505-844-2748) for scoring and course completion credit.

If you don't know who your ES&H Coordinator is, contact your manager or the ESH100 Course Manager.

SNL ID	
Name (Print)	
Org.	
Initials	
Date	

Module 1

1. a b c d
2. a b c d
3. a b c d
4. a b

Module 2

5. a b c d
6. a b
7. a b
8. a b c d

Module 3

9. a b c d
10. a b c d
11. a b c d

Module 4

12. a b
13. a b c d
14. a b c d
15. a b

Module 5

16. a b
17. a b c d
18. a b c d

Module 6

19. a b c d
20. a b c d
21. a b c d
22. a b

Module 7

23. a b c d
24. a b c d
25. a b

Module 8

26. a b c d
27. a b
28. a b c d
29. a b c d
30. a b c d

ESH100 Final Exam (Version A) Answer Sheet (cont'd)

Name (Print): _____

Date: _____

Module 9

- 31. a b c d
- 32. a b c d
- 33. a b c d
- 34. a b c d

Module 10

- 35. a b
- 36. a b
- 37. a b c d

Module 11

- 38. a b c d
- 39. a b c d
- 40. a b c d
- 41. a b c d

Module 12

- 42. a b
- 43. a b c d
- 44. a b
- 45. a b c d
- 46. a b c d

Module 13

- 47. a b